

Foreword

This issue of *Theoretical Computer Science* contains a selection of the talks presented at the workshop on Continuous Algorithms and Complexity held in Barcelona in October 1993.

In recent times attention has been paid to lay out foundations for the kind of computations done in Numerical Analysis. Different computational models were proposed and several complexity and computability results followed from these models. One may note that these theories do not necessarily exclude each other. Rather, they attempt to explain different situations and problems. On the other hand, we find here the classical diversity of results according to whether they apply to decisional or to functional problems, whether they deal with design and analysis of algorithms or with the structure of complexity classes, etc.

The articles that follow reflect – in the measure allowed by the dimensions of this issue – this diversity and I sincerely hope that they will provide the reader a broad overview of the problems and methods in the area.

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